

SCHOOL OF PRACTICAL SCIENCE,

PROVINCE OF ONTARIO.

CLASS LIST

1895.



TORONTO:

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FACULTY OF THE SCHOOL.

J. GALBRAITH, M.A., M. CAN. SOC. C.E., PRINCIPAL.

MEMBERS OF THE COUNCIL.

J. GALBRAITH, M.A., M. CAN. SOC. C.E. *Professor of Engineering (Chairman).*
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A. P. COLEMAN, M.A., PH.D. *Professor of Assaying and Metallurgy.*
L. B. STEWART, O.L.S., D.T.S. *Lecturer in Surveying (Secretary).*
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J. A. DUFF, B.A., GRAD. S.P.S. *Lecturer in Applied Mechanics.*
G. R. MICKLE, B.A., GRAD. S.P.S. *Lecturer in Mining Engineering.*

ASSISTANT INSTRUCTORS.

J. KEELE, B.A. Sc. *Fellow in Civil Engineering.*
E. J. LASCHINGER, B.A. Sc. *Fellow in Mechanical Engineering.*
R. W. ANGUS, GRAD. S.P.S. *Fellow in Electrical Engineering.*
A. T. LAING, B.A. Sc. *Fellow in Surveying.*
W. E. BOUSTEAD, B.A. Sc. *Fellow in Metallurgy and Assaying.*
W. LAWSON, B.A. Sc. *Fellow in Analytical and Applied Chemistry.*

MEMBERS OF THE FACULTY OF THE UNIVERSITY OF TORONTO WHOSE CLASSES ARE ATTENDED BY THE REGULAR STUDENTS OF THE SCHOOL.

JAMES LOUDON, M.A. *President and Professor of Physics.*
E. J. CHAPMAN, PH.D., LL.D. *Professor of Mineralogy and Geology.*
R. RAMSAY WRIGHT, M.A., B. Sc. *Professor of Biology.*
W. H. PIKE, M.A., PH.D. *Professor of Chemistry.*
ALFRED BAKER, M.A. *Professor of Mathematics.*
A. B. MACALLUM, B.A., M.B., PH.D. *Professor of Physiology.*
W. J. LOUDON, B.A. *Demonstrator in Physics.*
C. A. CHANT, B.A. *Lecturer in Physics.*
J. C. McLENNAN, B.A. *Assistant Demonstrator in Physics.*
ALFRED T. DeLURY, B.A. *Lecturer in Mathematics.*
W. L. MILLER, B.A., PH.D. *Demonstrator in Chemistry.*
J. W. ODELL, B.A. *Fellow in Mathematics.*
G. F. HULL, B.A. *Fellow in Physics.*

SCHOOL OF PRACTICAL SCIENCE, TORONTO.

RESULTS OF ANNUAL EXAMINATIONS,
SESSION 1894-95.

DEPARTMENTS.

CIVIL ENGINEERING (INCLUDING SANITARY ENGINEERING).
MINING ENGINEERING.
MECHANICAL AND ELECTRICAL ENGINEERING.
ARCHITECTURE.
ANALYTICAL AND APPLIED CHEMISTRY.

Candidates in the I, II and III years are arranged according to order of merit in two classes, Honor and Pass.

Candidates in the IV or Post-Graduate year are arranged alphabetically in two classes, Honor and Pass.

1895.

DEPARTMENT OF CIVIL ENGINEERING.

Honors.

FIRST YEAR.	SECOND YEAR.	THIRD YEAR.
Weekes, M.	Stewart, J. A.	

Pass.

FIRST YEAR.	SECOND YEAR.	THIRD YEAR.
Weldon, E. A.	Laing, W. F. Martin, T.	Meadows, W. W. Armstrong, J. Dobie, J. S. Boswell, E. J. Robinson, F. J.

F. W. Guernsey, 3rd Year, passed ; but as he was allowed special examinations in Descriptive Geometry, Hydraulics and Applied Chemistry, his name cannot be placed in order of merit.

DEPARTMENT OF MINING ENGINEERING.

Honors.

FIRST YEAR.	SECOND YEAR.	THIRD YEAR.
Bow, J. A. Robinson, A. H. Stull, W. W.		

Pass.

FIRST YEAR.	SECOND YEAR.	THIRD YEAR.
Andrewes, E.	Bain, J. A. DeCew, J. A. Burwash, L. T.	

DEPARTMENT OF MECHANICAL AND ELECTRICAL ENGINEERING.

Honors.

FIRST YEAR.	SECOND YEAR.	THIRD YEAR.
Vercoe, H. L. Gray, A. T. Hicks, W. A. B. Lawrie, C. L. Richards, E. Smillie, R.	Haight, H. V. Campbell, G. M. Shipe, E. F. Shipe, R. R.	McGowan, J.

Pass.

FIRST YEAR.	SECOND YEAR.	THIRD YEAR.
Bain, J. A. Stacey, G. E. Poliwka, H. B. Morrison, H. King, C. F. Atkinson, G. D. Lavrock, G. E. Alexander, F. H.	Gurney, W. C. Lawrie, R. R. Elliott, H. P. Wade, H. R. Fowler, C. P. Macbeth, C. MacMurchy, J. A. Brown, R. M.	Brown, L. L. McKinnon, H. L. Brebner, G. Brodie, W. M. Blackwood, A. E. Hull, H. S. Stocking, F. T. Connor, A. W. Tremaine, R. C. C. McKay, W. N.

DEPARTMENT OF ARCHITECTURE.

Honors.

FIRST YEAR.	SECOND YEAR.	THIRD YEAR.
Scott, W. F.	Forward, E. A.	Harkness, A. H.

Pass.

FIRST YEAR.	SECOND YEAR.	THIRD YEAR.
		Campbell, R. G.

PRIZEMAN.

1st Year, W. F. Scott.

The above prize is the gift of Mr. D. B. Dick, Architect, Toronto, and is awarded for general proficiency in the 1st Year.

DEPARTMENT OF ANALYTICAL AND APPLIED CHEMISTRY.

Pass.

FIRST YEAR.	SECOND YEAR.	THIRD YEAR.
Charlton, H. W.		

SUPPLEMENTAL EXAMINATIONS PASSED.

• FIRST YEAR SUBJECTS.

Chemistry.—Martin, DeCew, Burwash.
Statics.—Burwash, Gurney, MacMurchy, Lawrie.
Surveying.—Gurney, MacMurchy, Wade.
Electricity.—Brown, R. M.
Dynamics.—Brown, R. M.

SECOND YEAR SUBJECTS.

Strength of Materials.—McKay, Boswell.
Practical Mineralogy.—Armstrong.
Descriptive Geometry.—Boswell.
Rigid Dynamics.—Robinson.
Construction Notes.—Brown, L. L.
Thesis.—Guernsey.

SUPPLEMENTAL EXAMINATIONS TO BE TAKEN.

FIRST YEAR SUBJECTS.

Practical Chemistry.—Weldon.
Descriptive Geometry.—Weldon, Alexander.
Analytical Geometry.—Atkinson.
Dynamics.—Atkinson, Alexander.
Elementary Chemistry.—King, Lavrock, Poliwka, Lawrie, R. R.
Statics.—Bain.
Euclid.—Lavrock.
Electricity.—Poliwka, Charlton.
Algebra.—Charlton.

SECOND YEAR SUBJECTS.

Applied Chemistry.—Martin, Fowler, Macbeth, Wade.
Metallurgy.—Martin.
Construction Notes.—Burwash.
Spherical Trigonometry.—Burwash.
Strength of Materials.—DeCew, Lawrie, MacMurchy.
Rigid Dynamics.—DeCew, Brown.
Practical Electricity.—Brown.
Hydrostatics.—Fowler.
Calculus.—Bain.

STANDING IN SUBJECTS.

I. YEAR.

DRAWING.	FIELD NOTES.	EXPERIMENTAL PHYSICS.
Poliwka, H. B. Bow, J. A. Lawrie, C. L. Scott, W. F. Stull, W. W. Robinson, A. H. Smillie, R. Vercoc, H. L. Lavrock, J. E. Hicks, W. A. B. Bain, J. A. Gray, A. T. Weekes, M. Atkinson, G. D. Richards, E. Stacey, G. E. Morrison, H. Charlton, H. W. Andrewes, E. Alexander, F. H. Weldon, E. A. King, C. F.	Scott. Bow. Andrewes. Weekes. Stull. Robinson. Weldon.	Lawrie. Hicks. Æq. { Atkinson. Charlton. Bain. Æq. { King. Stacey. Æq { Smillie. Morrison. Æq. { Alexander. Richards. Grey. Vercoc. Poliwka. Lavrock.

PRACTICAL CHEMISTRY.	ALGEBRA.	EUCLID.
Gray. Æq. { Bain. Charlton. Lawrie. Vercoc. { Robinson. Richards. Æq. { Atkinson. Stull. { King. Hicks. Lavrock. Smillie. Morrison. Alexander. Æq. { Scott. Stacey. Weekes. Æq. { Andrewes. Bow.	Vercoc. Gray. Weekes. Smillie. Morrison. Æq. { Bow. Stull. Bain. Hicks. Æq { Andrewes. Poliwka. Richards. Æq { Robinson. Stacey. Lawrie. Weldon. Atkinson. King. Lavrock. Scott.	Smillie. Richards. Weekes. Lawrie. Hicks. Æq. { Robinson. Stull. Vercoc. Bow. Gray. Æq { Morrison. Weldon. Poliwka. Bain. Scott. King. Æq. { Andrewes. Stacey. Charlton. Atkinson.

I. YEAR.

PLANE TRIGONOMETRY.	ANALYTICAL GEOMETRY.	STATICS.
Vercoe. Bow. Robinson. Weekes. Æq. { Hicks. Smillie. Stull. Bain. Morrison. Gray. Æq. { Andrewes. Richards. Lawrie. Poliwka. Æq. { Stacey. Weldon. King. Æq. { Charlton. Scott. Lavrock. Atkinson.	Bow. Vercoe. Hicks. Robinson. Weekes. Stacey. Æq. { Gray. Scott. Poliwka. Æq. { King. Smillie. Stull. Morrison. Richards. Æq. { Andrewes. Lawrie. Bain. Lavrock. Weldon. Alexander.	Lawrie. Stull. Bow. Smillie. Poliwka. Richards. Æq. { Vercoe. Gray. Æq. { Hicks. Robinson. Weekes. Weldon. Stacey. King. Alexander. Æq. { Morrison. Andrewes. Æq. { Scott. Atkinson. Lavrock.
DYNAMICS.	DESCRIPTIVE GEOMETRY.	SURVEYING.
Robinson. Richards. Vercoe. Æq. { Hicks. Gray. Andrewes. Lawrie. Weekes. Æq. { Bain. Stacey. Bow. Smillie. Stull. Morrison. Æq. { Weldon. Poliwka. King. Scott. Lavrock.	Æq. { Robinson. Vercoe. Stull. Poliwka. Gray. Bow. Richards. Weekes. Lawrie. Hicks. Stacey. Lavrock. King. Æq. { Bain. Scott. Smillie. Æq. { Andrewes. Atkinson. Morrison. Charlton.	Bow. Vercoe. Hicks. Robinson. Richards. Stull. Andrewes. Weekes. Æq. { Gray. Poliwka. Bain. Weldon. Scott. Æq. { King. Smillie. Lawrie. Morrison. Æq. { Atkinson. Stacey. Alexander. Lavrock.

I. YEAR.

ELEMENTARY CHEMISTRY.	ELECTRICITY.	MAGNETISM AND ELECTRICITY.
Weekes. Bow. Stull. Gray. Vercoe. Morrison. Stacey. Bain. Lawrie. Charlton. Smillie. Robinson. Scott. { Richards. { Hicks. Atkinson. Andrewes. Alexander. Weldon.	Vercoe. Lawrie. Bain. Stacey. Richards. Hicks. Æq. { King. { Gray. Smillie. Morrison. Atkinson. Æq. { Lavrock. { Alexander.	Gray. Richards. Vercoe. Lawrie. Bain. Smillie. King. Stacey. Charlton. Morrison. Hicks. Poliwka. Æq. { Atkinson. { Lavrock.

ELEMENTARY MECHANICS.	ACOUSTICS.	HISTORY OF ARCHITECTURE.	ARCHITECTURAL SKETCHES.
Charlton.	Scott.	Scott.	Scott.

II. YEAR.

DRAWING.	CONSTRUCTION NOTES, CIVIL AND MINING ENGI- NEERING AND ARCHI- TECTURE.	CONSTRUCTION NOTES, MECHANICAL ENGI- NEERING.
Shipe, E. F. Haight, H. V. Shipe, R. R. Bain, J. W. Campbell, G. M. Wade, H. R. Forward, E. A. DeCew, J. A. Æq. { Gurney, W. C. Macbeth, C. W. Lawrie, R. R. Laing, W. F. Fowler, C. P. Stewart, J. A. Brown, R. M. Elliott, H. P. Burwash, L. T.	Forward. Stewart. Bain. Martin. Laing. DeCew.	Lawrie. Campbell. Shipe, E. F. Wade. Fowler. Æq. { Shipe, R. R. Elliott. Haight. Macbeth. Brown. Gurney. MacMurchy.

EXPERIMENTAL PHYSICS, MECHANICAL ENGI- NEERING.	EXPERIMENTAL PHYSICS, CIVIL ENGINEERING.	PRACTICAL ELECTRICITY.
Æq. { Campbell. Haight. Lawrie. Wade. Shipe, E. F. Shipe, R. R. Macbeth. Æq. { Gurney. Fowler. MacMurchy. Brown. Elliott.	Stewart. Forward. Martin. DeCew. Laing. Bain. Burwash.	Campbell. Lawrie. Haight. Fowler. MacMurchy. Gurney. Wade. Shipe, R. R. Macbeth. Elliott. Shipe, E. F.

II. YEAR.

THESIS, MECHANICAL ENGINEERING.	THESIS, MINING ENGINEERING.	THESIS, CIVIL ENGINEERING.
Shipe, R. R. Elliott. Lawrie. Æq. { Campbell. Shipe, E. F. Wade. Haight. Fowler. Gurney. MacMurchy. Macbeth. Brown.	Bain. DeCew. Burwash.	Stewart. Martin. Laing.

PRACTICAL CHEMISTRY.	PRACTICAL MINERALOGY.	CALCULUS.
Haight. Shipe, E. F. DeCew. Æq. { Campbell. Bain. Forward. Lawrie. Martin. Æq. { Stewart. Shipe, R. R. Wade. MacMurchy. Gurney. Æq. { Elliott. Fowler. Macbeth. Æq. { Brown. Laing. Burwash.	DeCew. Laing. Martin. Burwash. Æq. { Stewart. Bain.	Haight. Stewart. Æq. { Campbell. Gurney. Laing. Forward. Macbeth. Martin. Elliott. Fowler. Æq. { DeCew. Shipe, R. R. Lawrie. MacMurchy. Burwash. Wade. Brown. Shipe, E. F.

II. YEAR.

ASTRONOMY.	OPTICS.	HYDROSTATICS.
Stewart. Laing. DeCew. Bain. Burwash. Martin.	Campbell. Laing. Haight. Stewart. Forward Elliott. Bain. Shipe, R. R. Æq. { Brown. Burwash. Gurney. DeCew. Fowler. MacMurphy. Shipe, E. F. Wade. Martin. Macbeth. Lawrie. Æq. {	Haight. Campbell. Bain. Stewart. Gurney. Wade. Elliott. Laing. Brown. Forward. DeCew. Shipe, E. F. Shipe, R. R. Lawrie. Burwash. MacMurphy. Martin. Macbeth. Æq. { Æq. { Æq. {

APPLIED CHEMISTRY.	STRENGTH OF MATERIALS.	RIGID DYNAMICS.
Haight. Campbell. Stewart. Bain. Laing. DeCew. Forward. Brown. Shipe, E. F. Gurney. Elliott. MacMurphy. Burwash. Lawrie. Shipe, R. R. Æq. {	Campbell. Elliott. Fowler. Laing. Bain. Haight. Forward. Stewart. Shipe, R. R. Macbeth. Shipe, E. F. Gurney. Burwash. Wade. Martin. Brown. Æq. { Æq. {	Stewart. Haight. Elliott. Campbell. Laing. Bain. Shipe, R. R. Martin. Shipe, E. F. Fowler. Macbeth. Gurney. Lawrie. Wade. MacMurphy. Burwash. Æq. { Æq. {

II. YEAR.

THEORY OF MECHANISM.	DESCRIPTIVE GEOMETRY.	SURVEYING.
Haight. Campbell. Elliott. Shipe, R. R. Shipe, E. F. Lawrie. Fowler. Brown. Wade. Macbeth. MacMurchy. Gurney.	Campbell. Haight. Forward. Elliott. Bain. Stewart. Shipe, R. R. Fowler. Shipe, E. F. Laing. Brown. DeCew. Gurney. Macbeth. Burwash. Lawrie. Wade. Martin. MacMurchy.	Stewart. Bain. Forward. Laing. Burwash. DeCew. Martin.

MINERALOGY AND GEOLOGY.	SPHERICAL TRIGONOMETRY.	ELECTRICITY.
Forward. Stewart. Bain. DeCew. Laing. Martin. Burwash.	$\begin{array}{l} \text{\AE}q. \left\{ \begin{array}{l} \text{Campbell.} \\ \text{Stewart.} \\ \text{Haight.} \\ \text{Laing.} \end{array} \right. \\ \text{\AE}q. \left\{ \begin{array}{l} \text{Bain.} \\ \text{Elliott.} \\ \text{Shipe, R. R.} \\ \text{Fowler.} \end{array} \right. \\ \text{\AE}q. \left\{ \begin{array}{l} \text{Shipe, E. F.} \\ \text{DeCew.} \\ \text{Macbeth.} \\ \text{Lawrie.} \end{array} \right. \\ \text{\AE}q. \left\{ \begin{array}{l} \text{MacMurchy.} \\ \text{Wade.} \end{array} \right. \\ \text{\AE}q. \left\{ \begin{array}{l} \text{Brown.} \\ \text{Gurney.} \\ \text{Martin.} \end{array} \right. \end{array}$	Campbell. Haight. Elliott. Shipe, E. F. MacMurchy. Gurney. Lawrie. $\text{\AE}q. \left\{ \begin{array}{l} \text{Wade.} \\ \text{Shipe, R. R.} \end{array} \right.$ $\text{\AE}q. \left\{ \begin{array}{l} \text{Fowler.} \\ \text{Macbeth.} \\ \text{Brown.} \end{array} \right.$

II. YEAR.

METALLURGY.	HISTORY OF ARCHITECTURE.	ORDERS OF ARCHITECTURE.
Laing. Haight. Forward. Campbell. Shipe, R. R. Shipe, E. F. Stewart. DeCew. Bain. Æq. { Brown. MacMurphy. Wade. Æq { Lawrie. Burwash. Elliott. Gurney. Fowler Macbeth.	Forward.	Forward.

HISTORY OF ORNAMENT.		
Forward.		

III. YEAR.

DRAWING.	FIELD NOTES.	CONSTRUCTION NOTES (DURING SESSION).
Campbell, R. J. Harkness, A. H. Blackwood, A. E. McGowan, J. Æq. { Brebner, G. A. Brown, L. L. McKay, W. N. Connor, A. W. Dobie, J. S. Brodie, W. M. Æq. { Meadows, W. W. Guernsey, F. W. Boswell, E. J. Hull, H. S. McKinnon, H. L. Armstrong, J. Stocking, F. T. Robinson, F. J.	Boswell. Dobie. Robinson. Æq. { Guernsey. Meadows. Armstrong.	Armstrong. Meadows. Guernsey. Harkness. Campbell. Boswell. Robinson. Dobie.

ELECTRICAL LABORATORY.	MECHANICS OF MACHINERY.	THEORY OF CONSTRUCTION.
Æq. { McKinnon. Blackwood. Brebner. Æq. { McGowan. Brown. Hull. Æq. { McKay. Stocking. Brodie. Connor.	McKinnon. Connor. Brodie. Brown. McGowan. Æq. { Hull. Stocking. Blackwood. Æq. { McKay. Brebner.	Harkness. Connor. Armstrong. Brodie. Meadows. McKinnon. McGowan. Brebner. Stocking. Brown. Guernsey. Blackwood. Dobie. Hull. McKay. Boswell. Robinson. Campbell.

III. YEAR.

CONSTRUCTION NOTES, CIVIL ENGINEERING AND ARCHITECTURE.	PRACTICAL ASTRONOMY AND GEODESY.	EXPERIMENTAL PHYSICS, CIVIL ENGINEERING AND ARCHITECTURE.
Æq. { Campbell. Harkness. Robinson. Boswell. Dobie. Meadows. Armstrong. Guernsey.	Guernsey. Armstrong. Meadows. Dobie. Boswell. Robinson.	Campbell. Meadows. Armstrong. Guernsey. Harkness. Boswell. Dobie. Robinson.
EXPERIMENTAL PHYSICS, MECHANICAL AND ELECTRICAL ENGINEERING.	MACHINE DESIGN.	HISTORY OF ORNAMENT.
Brebner. Blackwood. McGowan. Stocking. Brown. Brodie. McKinnon. Hull. McKay.	McGowan. McKinnon. Æq. { Connor. Hull. Brown. Brebner. Æq. { Blackwood. Stocking. Brodie. McKay.	Harkness. Campbell.
SANITARY PLUMBING.	HISTORY OF ARCHITECTURE.	MAGNETISM AND ELECTRICITY.
Harkness. Campbell.	Harkness. Campbell.	Brown. Brodie. McGowan. McKay. Brebner. Hull. Stocking. McKinnon. Blackwood. Connor.

III. YEAR.

THEORY OF COMPOUND STRESS.	THESIS, MECHANICAL AND ELECTRICAL ENGINEERING.	APPLIED CHEMISTRY.
Armstrong. Connor. Brown. McGowan. Brodie. Brebner. Meadows. Æq. { Dobie. Harkness. Guernsey. Blackwood. Æq. { Hull. Stocking. Robinson. Boswell. McKay. McKinnon. Campbell.	McGowan. McKinnon. Stocking. Blackwood. Brebner. Brown. Brodie. Hull. Connor. McKay.	Harkness. Æq. { Connor. Hull. McKinnon. McGowan. Brodie. Dobie. Brown. Brebner. Stocking. Blackwood. Meadows. McKay. Armstrong. Robinson. Æq. { Boswell. Campbell.

CONSTRUCTION NOTES. MECHANICAL ENGINEERING.	THESIS, CIVIL ENGINEERING AND ARCHITECTURE.	PRACTICAL MINERALOGY.
Brebner. Brown. Blackwood. Stocking. Æq. { McKinnon. McGowan. Hull. Brodie. Connor.	Harkness. Guernsey. Boswell. Robinson. Campbell. Armstrong. Meadows. Dobie.	Æq. { Dobie. Robinson. Meadows. Armstrong. Guernsey. Boswell.

III. YEAR.

SURVEYING AND LEVELLING.	METHOD OF LEAST SQUARES.	MINERALOGY AND GEOLOGY.
Armstrong. Meadows. Guernsey. Dobie. Robinson. Boswell.	McGowan. Brebner. Armstrong. Meadows. Stocking. Guernsey. Hull. Brown. Æq. { Dobie. McKinnon. Robinson. Blackwood. Brodie. Boswell. McKay.	Meadows. Robinson. Boswell. Armstrong. Harkness. Dobie. Guernsey. Campbell.

DESCRIPTIVE GEOMETRY.	METALLURGY.	THERMODYNAMICS.
Harkness. Armstrong. McGowan. Brown. Blackwood. Boswell. Dobie. Æq. { McKinnon. Stocking. Brodie. Æq. { Connor. McKay. Campbell. Meadows. Brebner. Hull. Robinson.	Stocking. Hull. Æq. { McKinnon. Blackwood. Æq. { Brown. McGowan. Brodie. Brebner. Connor. McKay.	McKinnon. Brodie. McGowan. Meadows. Connor. Brown. Guernsey. McKay. Dobie. Boswell. Stocking. Hull. Blackwood. Brebner. Armstrong. Robinson.

III. YEAR.

HYDRAULICS.			
Æq.	McKinnon.		
	Connor.		
Æq.	McGowan.		
	Brebner.		
Æq.	Brodie.		
	Armstrong.		
Æq.	Hull.		
	Harkness.		
Æq.	Meadows.		
	Brown.		
Æq.	Stocking.		
	Dobie.		
Æq.	McKay.		
	Blackwood.		
Æq.	Robinson.		
	Campbell.		
	Boswell.		

F. W. Guernsey was allowed a special examination in the subjects : Descriptive Geometry, Hydraulics and Applied Chemistry, in which he passed.

A. W. Connor passed in Experimental Physics and Least Squares at the University.

R. C. C. Tremaine has passed the third year, but not having fulfilled the conditions respecting vacation work at the time of the annual examinations, his standing in the class is not given.

FOURTH OR POST-GRADUATE YEAR.

Degree of Bachelor of Applied Science, (B. A. Sc.)

UNIVERSITY OF TORONTO.

SCHOOL OF PRACTICAL SCIENCE CERTIFICATE.	THESIS.	THERMODYNAMICS.
<i>Honors.</i> Ewart, J. A. Job, H. E. McTaggart, A. L. Minty, W.	<i>Honors.</i> Beauregard, A. T. Ewart, J. A. Job, H. E. Johnson, S. M. McAllister, J. E. Minty, W.	<i>Honors.</i> Minty W.
<i>Pass.</i> Beauregard, A. T. Bucke, W. A. Herald, W. J. Johnson, S. M. Johnston, A. C. McAllister, J. E. Shields, J. D.	<i>Pass.</i> Bucke, W. A. Herald, W. J. Johnston, A. C. McTaggart, A. L. Shields, J. D.	<i>Pass.</i> Beauregard, A. T. Bucke, W. A. Herald, W. J. Job, H. E. Johnston, A. C. McTaggart, A. L.

HYDRAULICS.	APPLIED ELECTRICITY.	STRENGTH OF MATERIALS.
<i>Pass.</i> Johnson, S. M. McAllister, J. E. McTaggart, A. L. Minty, W.	<i>Honors.</i> Beauregard, A. T. Job, H. E.	<i>Honors.</i> Johnson, S. M.
	<i>Pass.</i> Bucke, W. A. Herald, W. J. Johnston, A. C.	<i>Pass.</i> Ewart, J. A. McAllister, J. E.

DEGREE OF B. A. Sc.

MINERALOGY AND GEOLOGY.	ARCHITECTURE.	METALLURGY AND ASSAYING.
<i>Pass.</i>	<i>Honors.</i>	<i>Honors.</i>
Shields, J. D.	Ewart, J. A.	Shields, J. D.

DEGREE OF B. A. Sc., WITH HONORS.

Ewart, J. A.
Job, H. E.
Minty, W.

DEGREE OF C. E.

Bowman, A. M.
McAllister, J. E.

THE HISTORY OF THE

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